

E. CREED TELLS ADVISORY COUNCIL OF SPORTSMANSHIP

**Offers Strict Code of Fair Play
As Solution for Interna-
tional Difficulties**

RECEIVE HEARTY SUPPORT

**Make Modified "T" Awards to
Boxing and Hockey
Squads**

Adherence to a strict code of sportsmanlike and fair play is the only solution for the permanent settlement of international difficulties and is even more effective than a political organization like the League of Nations, Captain Percy R. Creed told the Advisory Council on Athletics at their regular monthly meeting held at the Engineers Club, Boston, last night. Captain Creed is secretary of the "Sportsmanlike Brotherhood," an organization formed recently to sponsor the teaching of fair play to students in colleges and elementary schools throughout the world. Dr. A. W. Rowe '01, secretary of the Advisory Council, expressed himself as being heartily in favor of the ideals expressed by Captain Creed and pledged the support of the Council to the cause.

Functions in Framingham
According to Captain Creed, adoption of a spirit of fair play has been stressed to the young people of Framingham, Mass., and the results in that city have led the Sportsmanlike Brotherhood to offer this as a possible solution of international problems.

At regular intervals throughout the school year, the brotherhood presents a prize to the man who has shown himself the most sportsmanlike during the athletic season. According to Dr. Rowe, it is possible that a similar system will be carried out at Technology in the near future.

"If the Germans would adopt football and throw the goose step into the discard, there would be no war," Captain Creed said. Peace is a spiritual state, he believes; fair play is the negation of war and therefore if a spirit of fair play can be instilled into the minds of the coming citizens of every country of the world there would be no need for war.

Continued on Page 4

ARTICLE ON FORESTRY FEATURES MARCH T.E.N.

**This Month's Issue to Appear On
Tuesday, March 10**

Containing an article by Governor Pinchot of Pennsylvania, the March number of T. E. N. will make its appearance on the newsstands Tuesday, March 10.

Governor Pinchot's article is on "Forest Conservation" and is considered as an authoritative article as the governor was formerly in charge of the national Bureau of Forest Conservation. "Power in Niagara" by W. K. Bradbury '09, describes the installation of three new 70,000 horsepower power units, each unit of which will do the work of three million men.

Changes in Auto Design Described
Professor Dean A. Fales '15, of the Mechanical Engineering Department is the author of an article "Recent Automobile Shows" which describes the new developments and changes in recent designs. Dean Peabody '11 contributes a report on "Reinforced Concrete Design" describing the changes made in the 1924 report and speaks of the importance of this report. "As the freshman uses his bible, so does the engineer make use of the reinforced concrete report," says Mr. Peabody.

S. C. Lind '02, chief chemist of the federal Bureau of Mines, has written "Helium and its Aeronautical Use" which is a discussion of the advantages of helium over hydrogen in lighter-than-aircraft. Professor J. R. Jack of the Department of Naval Architecture has written an article on the "Evolution of the Ship" giving a brief outline of the development of steam and sail boats. J. A. Zimmerman is the author of an article on "The Mississippi River Delta's Unsolved Problem" and Verna J. Swanson has discussed the "Powell Leverage Motor."

Institute Professor Near Death in Wreck

Professor W. F. Brown of the Department of Architecture barely escaped death Monday afternoon when the tug Dolphin, in whose pilot-house he was riding, struck the span of the railroad bridge over the Neponset River. He jumped from the room, followed by the captain of the tug, just at the moment when the tug struck, and was showered with debris as he made his way to the pier.

The pilot-house was completely demolished, and the entire structure of the ship was wrecked. The wreck was caused by the failure of the drawbridge keeper to see the oncoming tug, which was following close behind another. After the first tug was through the draw, the keeper closed the draw, just in time to catch the Dolphin as it went through.

STRATTON RETURNS FROM PANAMA TRIP

**Was Guest of Governor-General
Who Took Him Through
Culebra Cut**

After a trip of three weeks to Panama, President S. W. Stratton arrived the latter part of last week in New York, and has now resumed his duties at the Institute. The cruise was taken solely with the idea of affording the president an opportunity to recuperate from his recent illness and operation. His return to Boston from the hospital in Washington where he was treated, was made somewhat sooner on the condition that he take the trip to fully recover.

A week was spent at Panama, the remainder of the time being spent on board ship, the United Fruit liner "Sixiola," which carried the party on their trip south in addition to the return trip. While at the Canal Zone the president was the guest of the governor-general, Colonel Merriweather Walker, who conducted him personally through Culebra Cut. On Friday, February 13, the Technology Society and the Engineering Society of Panama gave a dinner to President Stratton at the University Club in Panama City.

Fishing Cruise to Pearl Islands
Two days were spent in a deep sea fishing cruise to the Pearl Islands which was taken on one of the United States Naval Tugs, in the company of the commanding naval officer of the Canal Zone.

Other members of the party included Dr. and Mrs. W. G. Morgan, Mr. Ambrose Swasey, of the Swasey Instrument Company, and Mr. Parris the President's secretary.

Dr. Stratton is probably another victim of the fluctuating climate, but now that warmer weather is almost here, it is expected that he will become acclimated and be able to continue his duties at the Institute.

PROFESSOR ROGERS TO TALK ON PLAYS AT FROSH LECTURE

**Recreational Facilities Which
Technology Student Has,
To Be Considered**

"WILL NOT BE SERMON"

Professor R. E. Rogers of the Department of English will deliver the next freshman lecture tomorrow morning in room 10-250 at 11 o'clock. His talk will deal with the recreational facilities which the Technology student has at his disposal, as regards the theatre, movies, and fiction reading.

In his discussion Professor Rogers will point out to the freshmen the possibility existing in Boston to see plays and the reasons why the men should make an effort to attend the theatre.

Talk Not a Sermon
"My talk will not be a sermon," he emphasized, "but I should like to make a definite elementary distinction between the theatre and the movie." Concerning fiction reading, Professor Rogers stated that he believed all Technology men should do a certain amount of reading of this sort, and in his talk intends to suggest that they distinguish between fiction reading of permanent value and that which is merely time consuming.

"Technology men have little time for recreation and they might as well make their recreation count for as much as possible," he continued, "instead of always going automatically to the same movies and reading the same fiction magazine."

Professor Rogers recently gave an English course over the radio, and is at present a regular lecturer of the University Extension Course. He is the author of a play entitled "Behind a Watteau Picture," and is considered an authority on drama and English literature.

SILENT TOAST OFFERED TO DECEASED OF 1924

Fifty members of the class of 1924 attended their first get-together in the Faculty and Alumni Dining Room of Walker on Monday evening. W. H. Robinson, class president, officiated, assisted by several other class members.

A silent toast was offered to the departed members of the class, Stevens Bronley, George Swartz, and L. G. Parker. Each of those present gave a short history of himself since his graduation from the Institute. Following a general discussion of class plans, the movie "Scandals of 1924" was shown.

The gathering closed with the rendering of several Technology cheers and songs, including Professor L. F. Passano's prize song for 1925, "The Courts of M. I. T."

Students Indicted By "Technology Review"- "Undergraduate Decadence"

Undergraduate spirit at Technology is severely scored in an editorial appearing in this month's Technology Review. "Undergraduate Decadence" is the term applied to the editor's discussion of the present situation as regards spirit at the Institute.

According to the Institute graduate publication, it has generally been observed by experienced educational leaders that there is a marked cycle of student characteristics. Every four or five years there is a noticeable outburst of spirit among the students, resulting in a veritable flood of executives, "sharks," and geniuses filled with scores of original ideas, appearing on the college campus. After the force has died down, everything becomes quite until the next outbreak, "but," continues the Review, "all went never so quietly as now."

From the testimony of some of the professors, the students in their sections are the worst ever this year, and the conclusion is drawn that the men are all participating in some sport. Further investigation shows that the athletic coaches are finding themselves handicapped by a lack of material, and it is practically impossible to get the men to come out for some sport.

Attention is next turned to the activities, and it is found that here, too, candidates are lacking, and the burden of the work is being carried on by only a few. The "vicious student dances" are then looked into as a cause of the students' disinterest in scholastic activities, and again it is found that the main hall of Walker is far from crowded when the various student dances are held there.

"The extraordinary puzzle of the moment is thus to discover what Technology students are doing with their time," concludes the Review. In the remembrance of the editors of that publication, it is the first year that a student "can be in the swim only by being a stupid drone."

It is considered deplorable, however, that too much stress has been put on the activities alone, and that the principle that academic work comes first has been almost nullified. It is asserted that there has been a marked decline in mass scholarship at the Institute, necessarily resulting in a slight lowering of the standard of excellence. The search for the cause of all the trouble continues, and the graduates await an upward trend in the spirit toward not only activities and athletics, but also toward social affairs and studies.

UPPER CLASSMEN EXHIBIT SLUGGISHNESS IN SIGNUP SALE OF PROM COMMITTEE

COURSE TALKS WILL BE COMPLETED THIS WEEK

In the freshmen course talk given yesterday afternoon for Course XV, the advantages of a knowledge of business principles coupled with engineering training was stressed. The three lectures following will form the last of the series of talks which are being given with the idea of aiding freshmen to select their courses intelligently.

This afternoon the talk for Course IV will be given by Professor William Emerson at Rogers. Thursday's lecture will take care of Course V, and will be delivered by Professor F. G. Keyes and Professor J. F. Norris, in room 4-270. Course IX will be represented by Professor F. J. Moore, on Friday in room 4-270, this talk being the last of the series. All the talks are scheduled to start at 5 o'clock.

JUNIORS EXPECT TO PREVENT "CRASHING"

**No Men To Be Admitted to '26
Hop With Tickets Is
Latest Verdict**

Contrary to the recent announcement of those in charge of the Junior Dance, that all Juniors who have failed to secure their tickets would be able to do so at the door Thursday evening, Mar. 5, a still more recent change in plans has occurred annulling that decision. Positively no person appearing at the dance without tickets will be permitted to enter according to the latest information.

There are still some tickets which remain undistributed. Any Junior who has been overlooked or who has forgotten to avail himself of the opportunities given him to secure an admission check may procure a ticket before the dance by applying to A. W. French, Jr., '26. In this way only, may admission be obtained by those who at the present time do not possess tickets.

Lower Classmen Not Admitted.
Emphatic announcement is further made by the committee that any lower classmen who are in some way possessors of tickets to the affair will not be admitted to the dance. If in any way these men secure admission and are identified during the course of the evening, they will be requested to leave.

The following chaperones have consented to be present at the dance, Thursday evening: Mrs. H. P. Talbot, Mrs. L. M. Passano, Mrs. H. F. Ford, and Mrs. R. P. Bigelow. C. F. Buckley, Kenneth Lord, C. A. Bianchi, John Pardo W. A. Forrester, L. W. Cummings S. W. J. Welch, and J. A. Drain will act as ushers.

Dancing will begin at 8.30 and continue until 1 o'clock to the music of the Tunesters. The affair is being held in the Princess Ballroom of the Hotel Somerset.

SENIORS TO DANCE IN WALKER THIS FRIDAY

Arrangements have been completed for the Senior Dance to be held in Walker Memorial next Friday evening. The dance will be informal and will begin at 9 and continue until 1 o'clock, and will probably be the only Senior function before commencement.

Admission will be free to all members of the Senior Class, tickets being distributed in the main lobby today and tomorrow from 12 to 2 o'clock. Inasmuch as the dance is strictly a Senior Class affair, members of other classes will not be granted admission. The committee has arranged to serve refreshments, special refreshment tickets being obtainable at twenty cents each when the admission tickets are given out. Music will be furnished by Morey Pearl's Orchestra, which provided the syncopation at last year's Junior Prom. Members of the Junior and Sophomore classes will act as ushers.

CO-ED FEATURE OF POSTER CHOSEN AS WINNER OF CONTEST

**Seniors and Juniors Purchase
Only 192 of Quota of 400
Prom Signups**

SALE OPEN TO ALL TODAY

According to reports from the Junior Prom Committee, the two upper classes who have already been given opportunities to purchase signups for the affair, have evinced an unusual coldness since the 400 signups to be disposed of only 192 have been purchased. This is far below half the quota so that the committee states that they are rather surprised to see so little interest in the Prom among the class which should naturally be more interested in the affair, namely, the Class of 1926. Although the Seniors have their own Prom in June, comparatively few '25 men have appeared in the main lobby to purchase signups.

Anybody, regardless of class, may sign up for the Junior Prom today in the main lobby from 12 until 5 o'clock, since this is the last opportunity to obtain tickets. The sale will continue today until the quota of 400 couple tickets have been sold. Signups are selling at \$6 each and are redeemable for the same sum on March 30, 31 and April 1. Stag tickets are limited to 50 in number and will probably be sold for \$6 each at the same time as the regular signups are redeemed.

(Continued on Page 4)

DR. CRANE TO SPEAK AT SERIES OF LECTURES

**There Will Be No "Sex" Lectures
Given This Year**

Dr. Henry H. Crane has been secured to give the annual series of lectures on morals and religion by the T.C.A. on April 7, 8, 9, in room 10-250 at four o'clock each day. Dr. Crane will not speak on the sex question as Dr. Seerley did last year as sex talks are given only about once every four years.

Dr. Crane has been in great demand as a speaker the past few months and has spoken at different colleges all over the country. He recently spoke before the Boston Chamber of Commerce and last week gave several addresses before colleges in Iowa. He graduated from Ohio Wesleyan in 1913 and has been in charge of several M.E. churches since his graduation. He is at present pastor of the Malden Episcopal church which is credited with being the largest church of its kind in New England. He was obtained to speak at Technology by G. A. Drew '25.

This series of talks is given annually by the T.C.A. and many prominent speakers have been obtained. Last year Dr. Seerley spoke on "Manhood" and "Womanhood" before as large a body of students as ever gathered in 10-250. This year's series will be more of a religious nature.

The T.C.A. requests that all other activities co-operate with it in making these lectures successful, as in the past, and leave these dates free.

CALENDAR

Wednesday, March 4

4:00—Movies, Compressed Air, Mechanical, room 5-330.
4:45—Fencing Competition, north hall, Walker.
5:00—Freshman Course IV talk, Rogers.
5:00—Golf Candidates, room 10-250.
5:00—Freshman Course talk, room 4-270.

Friday, March 6

5:00—Freshman Course IX talk, room 4-270.
5:00—Musical Clubs meeting, room 10-250.
5:00—Choral Singing rehearsal, room 5-330.
9:00—Informal Senior Dance.
4:00—Movies, wrought iron, metallurgy, room 5-330.

Thursday, March 5

6:45—Copithorne reading, Walker Library.
Monday, March 9
7:30—Mining Society smoker, west lounge, Walker.

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for 43 Years**



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UNINVITED GUESTS

TOMORROW'S Junior Dance, paid for as it is from the funds of the Class of 1926, is primarily for Juniors. As many men from other classes have been boasting of their intention to gain admittance through wrongfully obtained tickets, the committee in charge has deemed it necessary to announce that members of other classes who should not rightfully be in possession of tickets will be refused admission at the door, or, should they be sufficiently fortunate to gain entrance, they will be requested to leave when recognized.

There seems to be a certain laxity of morals when it comes to "crashing" dances. These men would not think of intruding their presence upon a private party, and we fail to see the justification for attempting to attend a dance to which they have not been invited. There should be a certain amount of honor connected with such affairs. Men should realize that in forcing their presence upon the Junior Class, they are cheating just as much as though they stole some of the class funds.

Forgetting for the moment the moral side of the question, may we remind those desirous of attending though not invited, of the embarrassment to which they and the women accompany them may be subjected? It would not be particularly pleasant to be ejected. One can imagine the feelings of a girl whose escort has been requested to leave. Do not allow YOUR girl to be subjected to such a situation.

THE TECHNOLOGY REVIEW EDITORIAL

WE can do nothing but concur with the editorial expression in the last issue of the Technology Review. Just a short while ago this column expressed extreme dissatisfaction with the general student attitude, particularly that of the lower classes. From the viewpoint of activities, this has been a miserable year; the men of the lower classes have not come through as of yore.

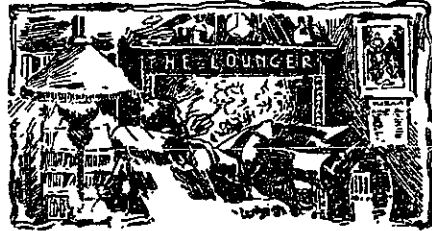
We can only record the effect; to get at the cause is virtually impossible. Perhaps our contemporary was correct in attributing it to a cyclic action in the quality and prosperity of incoming students. Or it is a feasible point to hold that the swift growth and development of rival educational institutions has decreased the influx of quality at each of them, and that the increase in numbers has been an increase in mediocrities. That is, the number of good students has remained nearly a constant, but these students are no longer concentrated at a few institutions, as they used to be, particularly at the Institute.

Educational democracy has had its evil effects. The great mob of aspiring ignorance has shaken the walls of the higher institutions of learning. They have attempted to pull down to their own level standards of exactitude and merit. A solution, on short consideration, seems to be higher entrance requirements. Education can never be thoroughly democratic, the intellectual aristocracy must be separated and elevated if they are to be fully useful.

BUT we were discussing causes of student lassitude. Some might attribute it to peculiar atmospheric conditions; to mysterious cerebral friction traceable to the eclipse of the sun; perhaps we students were born unfavorably under some superzodiac. The whole year has been erratic with its eclipses and earthquakes. And then again we might deduce from the dictates of gland physiology that there has been a hereditary stream of deformed thyroid glands which has caught the Institute community in its flow. But most probably it all might be a semi-hallucination that we are below the general level. Anyway, our esteemed contemporary was as helpless as we in suggesting a reason for the slump.

We have one accusation to offer in opposition to the view expressed in the Review editorial. This year has evinced a marked increase of social participation. The general conduct has been characterized by more levity, more anti-Volsteadism, less interest in Institute matters. We deplore this superficial socializing and believe it to be derogatory to the general quality of the Institute student body.

If actually there is a slump it remains for the faculty, the activity leaders, and the controlling men in Institute affairs to inject some enthusiasm into the community. Stimulation can do much to better conditions.



Deciding that the walk across the bridge at lunch time yesterday would be entirely too cold for even a hardened arctic explorer, the lounge ate his lunch in Walker. He thought he had wandered into a Chinese restaurant by mistake. They gave him chop suey! Can you imagine dishing up such stuff in Walker? It reminded him of the time some one tickled the cat's throat with a feather!

The Lounge hates to think what a brawl the Junior Dance will be if all of the 500 odd issued tickets are used. There may be music, but there won't be a dance—it will be one terrible fight!

If the committee in charge carries out its threat to limit attendance strictly to Juniors, it will help somewhat, but the Lounge is willing to bet dollars to doughnuts that some men not members of the Class of 1926 will sneak in.

One of the amusing little incidents caused by the earthquake has just been brought to the Lounge's attention. Shortly after the quake, a terrified maid dashed into a fraternity house next door crying that there was a burglar loose in her house. Several of the brave Technology men, hoping for a bit of excitement, and possible headlines in the Boston papers "Tech men capture desperate criminal" rushed into the invaded house, bearing weapons of all sorts, from pistols down. After a hair raising search, they found a canary bird whose cage had been opened by the shock, and whose fluttering in the darkness had caused the frightened woman to swear that she had seen a man with a gun.

As the Lounge was passing one of the bulletin boards the other day, the following clipping from a recent Boston paper caught his eye:

Dear Editor:
I am a Harvard student of 22, 5 ft. 9, weigh 160, dark complexion. I compete in athletics, having won my letter. I have an auto, and it is not a Ford. I'd like to meet a young lady between 18 and 25. The reason I do not know many girls in this vicinity is that I come from Nebraska. I'd like to meet a real pal by the middle of February, so I could make application to take her to the Harvard Junior Prom. I am particularly fond of dancing and good shows, and would like to get a girl that can drive a car. Would like photos enclosed in answer to this, and will answer all letters and enclose my photo either in civilian clothes or athletic togs. Impatiently waiting.

CAMPUS CHAP.

What manner of man is this to bring upon his college such notoriety? The Lounge hopes that it is merely a hoax, and that the love lorn chap is really not in earnest. Such tommy-rot befits a lonely sailor far better than a Harvard man!

If the Institute Committee continues to be flooded with business it might again have to be enlarged. At the last meeting the only motion was one for adjournment. Perhaps it is the Institute Committee which must be blamed for the student lethargy spoken of in the Technology Review.

Now that the earthquake and Mop have come and gone we can settle down for a peaceful exam period. Take a vacation so to speak from the strenuous work of our avocations.

In a class in which extempore quizzes are given at the end of the hour, it has become the habit of many students to stay away until the time of the quiz. The curtains and raised in preparation for the affair and presto, in files a goodly number of men. The system of pop quizzes to enforce attendance is not so effective after all.

With the advent of better weather the species collegiate Ford is becoming more in evidence. Rarely is a more motley array of busses seen than that draped about the Institute grounds. It is now evident where all the old cars go to.

Play Directory

COLONIAL: "Kid Boots." Musical Comedy of a high order.

COPLEY: "The Torch Bearers." Amusing sidelights on amateur plays.

HOLLIS: "The Swan." Charming play from Europe.

PLYMOUTH: "Simon Called Peter." Some of the war's effects.

MAJESTIC: "I'll Say She Is." Four good comedians.

NEW PARK: "New Brooms." Youthful ideas in industry.

ST. JAMES: "Nightie Night." Reviewed in this issue.

SELWYN: "White Cargo." Environment vs. character.

TREMONT: "Bachelors' Brides." A good English play.

WILBUR: "Beggars on Horseback." Delightful satire on our mode of living.

College Student Has Vague Ideas About Socialism

"The average undergraduate, or, at any rate, the average American youth has very little idea what socialism means," said Norman Thomas, Socialist nominee for the governorship of New York State on last fall's ticket and further explained:

"The average undergraduate has a vague idea in the back of his mind that socialists are bent on the destruction of this fair land, that they are against the Universities and the men who come from them, that they are ever striving to bring about an exact division of personal property, which is absurd under the existing conditions. In a few years all would revert to the old order. The college youth points out this fact and condemns socialism."

"In so doing he reminds me of the small son of a friend of mine who, after quarrelling with one of his playmates, said 'get out of here you Bolshevik.' His father afterwards asked him why he had called the boy a Bolshevik, when he didn't know what one was. The reply was, I don't like him! In exactly the same way the undergraduate, without knowing anything about Socialism, says he doesn't like it."

"No socialist ever advocated the re-division of property under the conditions that exist today. Rather, he proposes to change the conditions."

At this point Mr. Thomas was asked if communism was not essentially a branch of socialism. He replied by asking another question. "Is Protestantism a branch of Catholicism? Both communism and socialism, it is true, have the same goal in view, and that goal is a semi-international government in which coercion will become less and less necessary. Both communism and socialism have in Karl Marx their idol."

"The difference between communism and socialism are primarily differences in methods of attaining the goal. The communist argues that political democracy is an illusion because wealth and big business will always be wielding its gold, be in power. Education is a means of forming the nuclei of communistic cells which will multiply, forming ever more cells until war, which must be inevitably brought on as a result of capitalism, overwhelms the world. Communism will be ready to step in and form its international government."

"Such is the theory. In practice, however, the communists attempt to put the government at once into the hands of the proletariat. The communists use poor methods for gaining supporters. 'All who are not with us are against us' is their principle. For instance, they had the poor taste to publish unnecessary critical cartoons at the death of Gompers, whom they hated like poison. Originally there was a great deal of 'hush' connected with communism, but this silly secrecy has now largely disappeared. Strange to say, however, they still cling to the old methods of suppression of freedom of speech and of the press."

"As contrasted with communism, socialism stands for the attaining of changed conditions through the great labor organizations."

"In the United States socialism has made little definite advance, but nevertheless it is growing in our institutions. If some of the men who studied economics in my class at Princeton twenty years ago could hear the things that are being taught in our universities today, they would be shocked beyond words."

"That paragon of conservative virtues, that representative of solid old New England, Mr. Coolidge himself not many days ago proposed as a solution of Washington's rent problem, a fundamentally socialistic commission to settle the differences."

"Socialism is here in our midst. It is advancing in our education, our industry, and in our government."—Yale Daily News.

CONTEMPORARY NEWS COLLEGIATE

According to the figures announced by the University of Cornell, 257 students were dropped from that University as a result of scholastic deficiencies at the end of the first term. The average number of students dropped at the end of the first term for the past five years from 1919 to 1924 is 255. The majority of the students dropped every year came from the Engineering College.

At Columbia, which is just a few hundred feet from a fine library in which is amassed 800,000 volumes of notable works, it was found that a campus news dealer disposes of more than 600 copies of each issue of "The True Story," while he finds it unprofitable to keep a single copy of the "Bookman" on his stand. It was found that out of 150 leaving a popular bookshop near the University campus a 100 carried "Snappy

Stories," "Adventure" and etc., but the remaining were found with intellectual magazines. It is interesting to note that among the latter class, the "American Mercury" ranks first.

Rensselaer Tech will offer a group of new courses next year which will make it a mixed college, rather than a purely engineering school as heretofore. Beginning next fall a new department of arts, science, and business administration leading to the degree of bachelor of science will be established. There will also be added pre-medical and pre-dental courses leading to a degree. In order to make these plans possible R.P.I. is constructing five million dollars worth of new buildings.

Seniors, in many of the eastern colleges, are having a rather hard time finding means of class distinction. In Colgate and Cornell they are planning to wear imported blazers. These jackets are tailored to measure sack coats of British model with alternate one inch stripes of their respective colors. The loose three button feature, with patch pockets, makes these blazers similar to the class costumes so popular at the English university.

At another college the seniors are planning to carry canes about the campus, hoping that this will add to the dignity of their class.

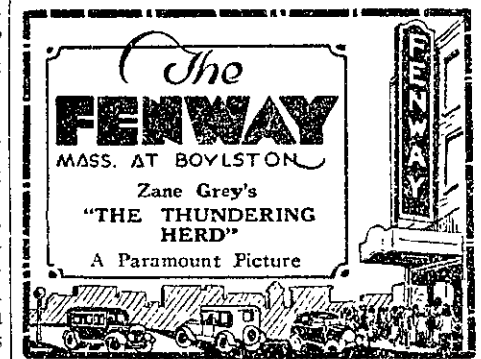
"NIGHTIE NIGHT"—FARCE AMUSES AT ST. JAMES

Stellar acting on the part of Bernard Nedell and a shrieking pair of cerise pajamas are the most striking features of the three act comedy, "Nightie Night," being played by the Boston Stock Company at the St. James Theatre this week. Though announced a comedy, the play is decidedly a farce and keeps the audience in a continuous uproar from beginning to end.

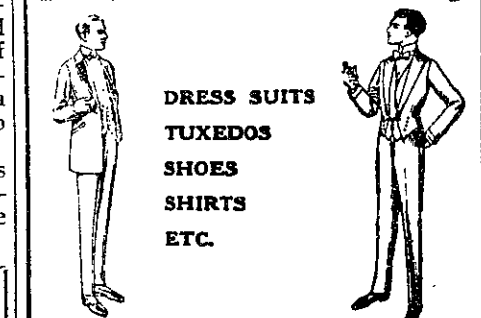
The plot is far too intricate and complicated to even outline. Complication follows complication and one lie leads to a string of others until all sense of the truth is lost. There is the chorus girl (who is pure of course), the jealous wife, the desperate husband, a meddling sister, and the usual "friend of the family." Bernard Nedell, the husband; Elsie Hitz, the jealous wife; Olive Blackeney, the chorus girl and Houston Richards, the friend of the family all play their parts exceedingly well.

It is Bernard Nedell, however, who puts the life, pep, and vivacity into the performance from beginning to end. He is on the stage almost continuously and not a moment lags—he not only feels his part but makes YOU feel it. You pity him, laugh at him, sympathize with him, and finally laugh with him.

If, as some claim, the farce is stereotyped the audience certainly has a great hankering and love for the stereotyped, for, from the opening dialogue on the observation car to the closing scene in the kitchen, its enjoyment and appreciation are manifest. If you want to forget your troubles and cares you will be surprised to find how much Mr. Nedell and the chorus girl in the screaming cerise pajamas can aid you.



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WEATHER HAMPERS CREW PRACTICE ON RIVER

Crews Return to Machines As Wind Makes the Charles Too Rough for Safe Rowing

Thin Layer of Ice Hems in Boathouse so that Plans for Early Workouts on River Cannot be Carried Through

Bill Haines and all who are vitally interested in crew have been scratching their heads the last few days and asking where all the wintry wind that has sent the waves scudding across the Charles is coming from. For the past few days a thin sheet of ice has kept the crews off the river, if it isn't the ice it is the west wind that whips up the water and keeps the eights under the boat-house roof.

Despite the extremely cold weather that has prevailed for the past few days, Bill Haines is still taking a crew out on the Charles occasionally. On Monday afternoon the 150 pound Varsity eight braved the icy waters by rowing about a half a mile up stream, and then taking a short trip into the basin. This was the first opportunity that Bill had of coaching his men from the launch.

On Monday afternoon a stiff north wind was blowing down the Charles, but in spite of the fact, the light Varsity outfit prepared themselves for an outdoor practice. Every man on the eight dressed himself warmly, being especially careful to wear some sort of hat. It was a unique sight to see the condition in which the men returned. The riggers were covered with icicles; the oars were in the same condition. The water that had splashed onto the occupants of the shell immediately froze; while the oar locks were completely frozen together. On the whole it was a cold looking spectacle that returned to the boathouse after a half an hour's rowing. Had it not been for the fact that a thin layer of ice hemmed in the boathouse, the same crew would have had a similar experience last night. Nothing but a frozen river can now keep the men indoors, and rowing on the machines.

No Freshman Eights Go Out
So far this year the Varsity and the 150 pound Varsity have been out twice, and the Junior Varsity, once. No freshman eight has yet braved the Charles, but Dan Sayre, coach of the freshmen, has been organizing yearling squads of four. Yesterday afternoon numerous freshmen fours rowed up and down in front of the boathouse, in the small space that was free from ice. Bill stated to the men last night that he was almost positive that the crews would be able to embark this afternoon. With such sudden changes of weather conditions, the possibility of going out becomes more of a problem every day. At this time last year there was not even the slightest chance of leaving the machines, and as a result no shell was seen on the river until the latter part of March. Unless a very prolonged cold spell strikes this portion of the country, regular practices on the river by all of the crews should be in effect within a few days.

FRESHMAN BOXERS TO MEET BULLDOG

The engineer freshman boxing team meets the Yale yearlings in their first meet of the season at New Haven this Saturday. Coach Rawson has an exceptionally strong delegation this year and expects his freshman proteges to show up creditably against the Bull Dog frosh.

Johnson who will represent Technology '28 in the 158 pound bout is one of the most promising of the first year boxing team and should have an easy time to come through with a win. He is particularly aggressive and has a punch that carries a great deal of weight with it.

The 175 pound event will be ably handled by Tabor of the engineer frosh who has shown up in practice bouts to be a finished boxer and very capable of handling his gloves properly. The frosh heavy is over six feet tall but in spite of his height he is particularly fast on his feet. He has a phenomenally long reach and will give his Yale freshman opponent much trouble in landing effective blows. Tabor is hard to hit and can hit hard himself. Peatsfield will box in the 115 pound contest. He is a clever lightweight and has shown up well in practice bouts. Blackwood will represent the engineer frosh in the 125 pound bout and Weston is entered in the 135 pound class. Keith completes the engineer yearling lineup as an entrant in the 145 pound event.

BOWDOIN FENCERS CONQUER BEAVERS IN HARD CONTEST

After Winning Foils Technology Is Defeated in Epees And Loses Meet

LEVIS INDIVIDUAL STAR

Monday afternoon in North Hall Walker the Technology fencing team suffered its second defeat of the season when it was taken into camp by Bowdoin to the tune of 7-6. As the score indicates the contests were close throughout but the affair was so long and drawn-out that it grew tedious and uninteresting near the latter part of the match. Although the Beavers captured the foils 5-4, the epee men, Blake and Cole were a bit off form and came out on the small end of a 3-1 score.

Captain Levis was the individual star of the meet winning all three of his bouts in masterly fashion. In the first match of the afternoon he defeated Clow of Bowdoin in a handy manner, although Clow was a south-paw, his style of fencing didn't seem to bother the Technology leader to any great extent and he was defeated 5-3. Perkins vs. Elkins was the lineup for the second bout and it was at this stage that Tech lost its first match. Elkins not being up to his regular form was defeated 5-2.

Captain Levis Wins Easily

Ken Hawthorne came through handily in the next encounter, when he decisively defeated Tuttle of Bowdoin 5-2 and in this match he displayed his best form of the season thus far. Although the left-handed fencing of Clow of Bowdoin failed to bother Capt. Levis, Seabury, substituting for Elkins, was baffled by his peculiar style and lost his match 5-3.

In the next match which was between Captain Levis and Perkins, Captain Levis easily captured the bout which was the quickest of the afternoon. The score was 5-1. Clow then won his second victory of the meet by winning the decision over Hawthorne, his odd style of wielding the foils was chiefly responsible for his victory. Elkins after being easily defeated in his first match staged a return to form and gained the verdict over Tuttle, but his victory seemed unimpressive due to the ineffectiveness of his opponent. Captain Levis then won his third decisive victory of the evening by walking away with his match against Tuttle. At this stage of the meet the score was M. I. T. 5, Bowdoin 4.

Bowdoin Wins in Epees

In the epees the collegians from Brunswick displayed much better ability, by winning three of the four matches. Clow seemed to have been favored by the Gods of chance for he won both of his epee matches because of his strange manner of fencing. Cole and Blake not being used to this manner of handling the epee were greatly puzzled by it and consequently were not as effective as they are against right handed fencers. Blake defeated Perkins in the only Technology victory in this event.

Although the Beaver outfit was defeated, the meet clearly brought out the fact that the Tech team has one of the best intercollegiate fencers of the east in Captain Joe Levis. He clearly demonstrated his ability by his three decisive wins of the meet. In the meet with Syracuse two weeks ago Levis also won all three of his matches. He is only a Junior at the Institute so that when the next fencing season rolls around Levis will still be eligible to represent the Cardinal and Gray. The summary:

Foils—Capt. Levis (T) 5, Clow (B) 3; Elkins (T) 5, Perkins (B) 2; Hawthorne (T) 5, Tuttle (B) 2; Seabury (T) 3, Clow (B) 5; Capt. Levis (T) 5, Perkins (B) 1; Hawthorne (T) 3, Clow (B) 5; Elkins (T) 5, Tuttle (B) 2; Capt. Levis (T) 5, Tuttle (B) 2; Hawthorne (T) 5, Tuttle (B) 4.
Epee—Cole (T) 0, Clow (B) 1; Blake (T) 1, Perkins (B) 0; Blake (T) 0, Clow (B) 1; Cole (T) 0, Perkins (B) 1.

FROSH QUINTET MEETS SALEM HIGH TONIGHT

Late this afternoon the frosh basketballers entrain for Salem where they meet the Salem High School quintet in a contest on the polished surface this evening. As the season is rapidly drawing to a close, the proteges of Luke Bannon intend to clean up the remainder of the schedule. While the hoopsters from the Witch City are reported to compose a strong aggregation, the yearlings will be represented by their full strength and a hard fight is expected. The frosh quintet has recently been strengthened by the addition of Joe Farwell who is expected to put up a strong bid for a regular berth on the team.

The following will be the line up: Bianchi, r.f., Cohen, l.f., Mock, c., Ross, r.g., Bell, l.g.

Swimmers Meet Brown at "Y" Pool In Double Header Saturday Night

Contest With Brunonian Mermen Will Close Season For Engineers

On Saturday the Varsity and freshmen will meet the fast Brown teams in the last meets of the season. This will also be the second and last time for the student body to see this team in action. Brown has one of the fastest teams in the East this season and should have little trouble in coming through with a win against the Beaver team, which is not exceptionally fast this year.

Last week, the Brunonians took the fast Dartmouth team into camp, exhibiting one of the best balanced teams in the East. The Beaver team will present just about the same lineup they have used in the earlier meets of the season. Armstrong can be counted on to come through with a couple of points in the shorter dash, as he has been placing consistently throughout the season. In the last few meets Captain Bill Walworth has been swimming the dash with Armstrong and showing considerable promise in this event.

Ford Doing Good Work

Bill has been swimming the breaststroke in the earlier meets of the year, but due to the lack of good dash men has been shifted to this event. The breaststroke will be taken care of by Kerns who is improving considerably. Last week he took a second in the Wesleyan meet in the first time of 1 minute 25 seconds. This does not come within a long ways of the Brown time of 1 minute 20 seconds, but is better than an Institute breaststroke has done in a long time.

Ford has been doing good work in the plunge in the last few meets, taking a first and a second in the last two weeks.



Major Sanford accompanied by Doc Connors went over to Harvard yesterday afternoon to try out the new jumping pit of the Crimson. Sanford did some pretty vaulting last Saturday and from the way he has been going indoors he should give the Institute record another tumble this spring.

Os has built up a great group of runners over the winter season with a large number of up and coming Sophs and frosh. If several more of the yearling records do not fall before the onslaught of the 1928 embryo stars then Doc Dope is all wrong.

Hank Steinbrenner has about all the stiffness that he incurred last Saturday when he took a bad fall to the boards in the 300 yard dash, worked out and from the way he went through a light workout yesterday will be able to challenge the best on the high barriers at the I.C.A.A. A. meet this week-end.

Quite in keeping with the discoveries of the times such as are brought to the public eye every day by archeologists and other scientists is the most recent denouement at the track house, when several managers were found to be athletically inclined. Johnny Field is a mean hammer-thrower, while his running mate Jackson displays peculiar form in the quarter. Sammis, Slagle and Burnell show promise in the discus. So far their main job is discussing who is going to do some bit of work.

As the "Y" pool is 75 yds. long, the plunge against Brown will be for distance and not for time.

Woods should be able to take a place in the dives without trouble as he is used to the board at the "Y." Most of the meets this year have been on strange boards which puts the divers at a disadvantage. On their home board they should be able to come through with a couple of points without trouble.

Johnson should have recovered by Saturday, so as to do some good work in the backstroke. Brown has a couple of good backstrokers that will be hard to beat, but Johnson has been improving all year and may be able to come through.

Wies has been a consistent man all year in the 220 yard, and may surprise all by coming through with a place against the fast Brown men. He has not stood out as conspicuously as some of the men on the team, and yet he has been more consistent than most of them.

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Test of Institute Plant Has
Become Cut and Dried
By Repetition

Lever Brother's boilers were found to be about 76 per cent efficient by the Seniors on boiler test. For several years back, the annual test has been made on the Institute plant, but the Lever Brother Company wished to have their boilers tested, and so after some consideration the test was held outside. The hesitation was caused by the cost of installing the necessary piping, which amounted to about \$1,000 although the Institute furnished the necessary apparatus such as water barrels for weighing.

Work Boilers at Double Rating

This is a moderate efficiency, the usual run being from 73 to 78 per cent for stoker fired furnace, with as high as 82 per cent net for oil fed. The boilers are being worked at two hundred per cent rated capacity. Professor E. F. Miller explained that this did not mean double pressure, but that more heat was crowded through. It used to be considered necessary to have fifteen square feet of surface for every horse power to be developed, but this has now been cut to ten. The tubes have been made higher and higher above the grates, so that in the latest construction there is about thirty feet of clear space between the coils and the tubes. Riley Mechanical Stokers, such as are used at Lever Brothers, produce a smokeless furnace because the green coal comes in from the bottom of the fire, so that the hot gases or smoke must pass through the incandescent coals before escaping.

Other Plants Were Tested

Professor Miller said, "The test is too cut and dried here. The fellows get a lot more out of it on the outside." The Lever Brother test is not a precedent as several other plants have been tested. A twenty-four hour test was made on Chestnut Hill Pumping Station; five day tests were made on the Sullivan Square Station of the Boston Elevated on two different years, and tests were made on the Lincoln Wharf and the Harvard Square Stations. The entire plant of all these places was tested, boilers, engines, pumps. One hundred and twenty men would be used eight or ten at a time. This last test was on the boilers only, and lasted about three days. Professor Miller said, "They used to have to work a lot harder in the old days. If a man didn't come, the other fellow had to stand a double watch. The authorities didn't do anything about it, but the students did. They didn't handle each other with gloves in those days."

Had Accident On One Test

He described an incident at the test of the Lincoln Wharf plant. They were using eight weighing barrels, handling from fifty to sixty thousand pounds of water per hour. The test had been running about forty-six hours, with the water coming through at 120 degrees Fahrenheit, when the vacuum was lost. Changing from condensing to atmospheric exhaust, the engines were less efficient so that about 30 per cent more water was needed, and the temperature rose to 200 degrees. This almost boiling water began to swell the wooden barrels. Suddenly the hoops on one gave way, and the barrel collapsed. By this time it was midnight with the new shift ready to come on. It was all the experienced testers could do to handle the thirty per cent excess with only seven barrels, and it was a problem how to change over to the green shift. A. A. Potter '03, VI, volunteered to stand a double shift to help out. The instructors and he managed to keep things running until the vacuum was recovered and normal conditions were regained.

Becomes Distinguished Educator

"I could tell that he was the type that would make a name for himself," Professor Miller said. He was a Russian student, supporting himself by writing. Potter was not his original name, but a nickname given him by his fellow students because they could not pronounce his lengthy Russian name. When he decided to become an American citizen, he legally adopted the name of Potter. From a job in Quincy, he went to Kansas State Agricultural College as an instructor. He did so well that he soon became dean of engineering, leaving there to become Dean of All Engineering at Purdue University, Indiana.

He is becoming noted for his handling of the freshman problem. All the older men talk to the freshmen, instead of having the younger members of the staff handle this, so that the older traditions and principles of the school are learned at once.

TECHNIQUE SIGN UPS REDEEMED NEXT WEEK

Price of Redemption Is \$2.00—To
Change Price After March 31

Next week Technique will begin redeeming the sign-ups for this year's volume of the year-book. A table in the main lobby will be devoted to the work from 12 until 3 o'clock every day during the week. The price of redemption is \$2.50; to print the name of the owner in gold on the cover will cost 50 cents extra, as usual.

After next week, sign-ups may be redeemed at the Technique office up to March 31. Thereafter the price of redemption for sign-ups will be \$3.50, making the total cost of the book \$4.50, the price paid by those who have not obtained sign-ups.

Plans for the annual Technique Rush, which this year occurs on April 18, are now being formulated. All entrants in the Rush are required to have redeemed sign-ups.

The sale of sign-ups this year was unusually large in the two lower classes. Fifty-eight per cent of the Sophomore and 43 per cent of the freshmen classes signed up for the book. In addition, sign-ups were sold to 72 per cent of the Seniors and 48 per cent of the Juniors.

ENTER FOUR MEN IN I. C. 4A. MEET

Chink Drew, Weibe, Brodsky and
Steinbrenner Go To New
York Saturday

Captain Chink Drew accompanied by Jack Wiebe, Brodsky and Hank Steinbrenner will travel to New York this week-end to take part in the I. C. A. A. A. indoor games to be held in the 122nd Regiment Armory on Saturday night. Instead of sending down a large group of men the coaches have picked only those men whose performances show themselves to be capable of coming through the strong competition that will be encountered in the meet.

As there is no event scheduled suitable to George Leness the Varsity flyer will not make the trip. The 600 yard run is his best event and as no race has been tabulated of this length Hedlund deemed it advisable not to take Leness on the trip. Drew will compete in his favorite event, the hammer throw in which he is outdoor champion. Chink has been keeping in good form by practicing in the Hangar throughout the winter and has a good chance to further clinch his title by taking the event.

Brodsky Entered in Shot Put

Steinbrenner is entered in the 70 yard high hurdles. Of late the Sophomore flash has shown fine form over the high sticks, taking the event last Saturday under wraps. His fall last Saturday stiffened him up quite a bit so that in the last few days he has had to go easy in practice, however, Os expects that today he will be able to go through a regular practice session. In the dash Jack Weibe will be the color bearer for the Cardinal and Gray. Jack showed he had the right kind of stuff in the indoor invitation meets during the winter season and with any kind of a good break should come through among the winners. Brodsky will match his best with the best of the collegiate shot putters. He has developed greatly under Doc Connors' tutelage since the fall and should give even Charley Eastman of Harvard some competition.

TELL OF SPORTSMANSHIP AT ADVISORY COUNCIL

Continued from Page 1

Dr. Rowe said that there is a possibility of forming a group of Technology to promulgate these standards. He said that he would bring the matter up before the New England Athletic conference which meets this spring. In his opinion it is something which the colleges need and need badly.

Mr. R. E. Brown of Boston University was present at the meeting and told the members of the council about some of the problems which confronted the athletic council at B. U. and found them very similar to those which come up before the council at Technology. He also expressed himself as being heartily in favor of the standards of fair play and sportsmanship set forth by Captain Creed.

Hockey team modified "T" was awarded to nine members of this season's sextet. The men receiving the award are Deignan, Berkeley, Grandall, Niles, Morton, Randall, Freeman, Weissner, and Richards. Butler, manager of the hockey team for the season 1923-1924 was given a similar award. Members of the boxing team for the past season who were granted the boxing team modified "T" are Epstein, Flynn, Kuhn, Kwauk, Pierce, Martin and Trask.

PICTURE TODAY IS FINISH OF SERIES

Mechanical Society Presents
Movie on the Uses of
Compressed Air

"I didn't want to show this picture today, because it is so close to examination time," said Harrison Browning '25, president of the Mechanical Society. "This picture is sure to be as good as the rest of our series, and it is a pity to waste a good picture on a small audience," he added.

Today's picture is on "Compressed Air and Compressed Air Machinery," showing the uses of compressed air, and the tools used in drilling and other work. It should be of especial interest to Civil and Mechanical students.

This series of pictures has attracted large crowds steadily, as many as one hundred and eighty turning out for one. Attendance took a great drop at the last one, and it is thought that examination time is drawing too near to get a sizable attendance. This picture was on "Brass," and was loaned by the American Brass Company, which is controlled by the Annaconda Copper Company, the largest concern of its kind in the country.

Animated Movies Show Ore Mining

Animated movies were shown of the mining of the ore. The principles of operation were best shown in this manner because mine interiors are dark and hard to photograph effectively. Picture of the big Annaconda and Butte Montana smelters were then shown. Copper is an active metal so that the purification by ordinary smelting is an impossibility, and the presence of just a trace of phosphorus or arsenic renders it practically useless. Purification is made by electroplating copper on a pure sheet of the metal.

The eastern plants of the company were shown, with the methods of making brass. Formerly the process was done by skilled workmen handling small amounts of the metal, but now the electric furnace is rapidly being installed because it turns out a more uniform product at a smaller cost. The heater element is an induction coil right in the molten metal. The current repulses the liquid causing a very rapid circulation and mixture of the brass.

Brass Rolling Described

Brass must be rolled cold, for if it is heated it oxidizes and if this is worked into the metal it will crack. Companies using brass sheets, such as cartridge companies, must have the required dimensions held to half a thousand accuracy or their dies will not operate properly. Machines which take a solid brass billet, and force a die through it and make a tube, were shown.

Notices and Announcements

FRESHMAN FENCING

A competition for the Andover trip will take place today at 4:45 in north hall, Walker.

METALLURGY

Movies on the making of genuine wrought iron will be explained by G. B. Philhower, Boston Representative of Reading Iron Co., Friday, at 4 o'clock in room 5-330. Students in Metallurgy should attend, and all others are invited.

MINING SOCIETY SMOKER

Mr. Allen H. Rogers, Consulting Mining Engineer will talk on Mining Experiences in Latin America in the West Lounge, Walker, Monday, March 9 at 7:30 o'clock.

TECH SHOW TRAIN

Tech Show will run a special train from New York to Boston on Wednesday morning, March 25, at 4 o'clock. Apply for reservations at once at Tech Show office, room 301, Walker.

BASEBALL

All men out for baseball must report in the Hangar for practice tonight at 4:00. Everyone who intends to go out for either the Beavers or the class teams should report. Wear uniforms and sneakers.

PT SUBSTITUTE

All freshmen who intend to substitute baseball for PT 3 must sign up for this spot in Mr. McCarthy's office at once.

BASEBALL MANAGEMENT

Managerial competition both for the Beavers and the class baseball teams has now begun. All men who are interested in this competition should either see A. J. Tacy in the Hangar this afternoon or leave their names in the baseball mailbox in the A. A. office.

MUSICAL CLUBS MANAGEMENT

There will be a very important meeting in the office on Thursday, March 5, at 5 o'clock. Everyone must be there.

JUNIOR PROM SIGN-UP SALE VERY SLUGGISH

(Continued from Page 1)

As a result of the poster competition being run in connection with the Prom, the prize winning poster will be placed on display at the sign-up booth in the main lobby today. The prize was won by H. A. Willoughby Sp. and was no doubt awarded because of the unusual character of the production. Instead of the usual three-color type, the new display card is a natural tinted photograph of a blonde haired prom-miss dancing with her partner of the twenty-first of April. The producer of the poster claims that the girl in the case is a student at Technology but refuses to divulge her identity.

Seating preferences at the supper following the Junior Prom have been arranged for by distributing seating cards with the signups. These cards are to be filled in with the names and sign-up numbers of the men whose company the individual wishes at supper. The tables at the Copley Plaza Hotel, where the Prom is being held this year, will hold five couples each so that the men may base their selections accordingly. The preference cards must be returned to the committee before Saturday, March 7. It will be found convenient to drop them in any Institute mailbox.

As already announced the Prom will be held from 10 until 4 o'clock on the evening of April 21 at the Copley Plaza Hotel. Ed Wittstein's 15 piece New Haven Orchestra will furnish the music for the occasion. It is expected that Wittstein will lead his orchestra personally. Although the committee has decided to limit the number of sign-ups sold in order to prevent the recurrence of such crowding as has been characteristic of past affairs of a like nature, the Junior Prom is no doubt the most important social event in Technology circles.

CHORISTERS TO SING AT HOSPITAL SUNDAY

A concert for the patients of the Evans Memorial Hospital is to be given by the Choral Singing Class on Sunday afternoon. The concert was arranged by Dr. A. W. Rowe '01, Director of Research at the hospital, who has been one of the supporters of choral singing at the Institute since the Choral Society was founded.

In preparation for the concert, a rehearsal will be held in room 5-330 at 5 o'clock on Friday. According to H. C. Bacon '25, there is a great need for new men in order to make the concert successful. "Since Choral Singing has now become a general study," he declares, "it offers an exceptional opportunity for freshmen particularly to get one general study done early and to spread it out through a whole year."

WILL SHOW MOVIES OF WROUGHT IRON MAKING

Representative of the Company
Will Explain Movie

G. B. Philhower, Jr., Boston Representative of the Reading Iron Company will explain the moving picture on "Genuine Wrought or Puddled Iron" sent to the Institute by that company. This movie will be shown Friday, March 6, at 4 o'clock in room 5-330.

"This movie was shown here several years ago, and since that time it has been added to and revised. It is a worth while picture, and I feel that it will be of interest to civil and mechanical engineers because of the use that wrought iron pipe has in both those lines. The chemist finds wrought iron of use because of its non-corrosive property, and the electrical engineer is attracted by the high permeability and low hysteresis loss," Professor G. B. Waterhouse said.

All Hand Process

There are only two concerns in the country that make genuine wrought iron, and the Reading Iron Company is perhaps the most prominent of the two. The puddling process is practically all hand work, handling small quantities at a time. It is almost a relic of former days, but as yet no machine method has been developed to take the place of the puddler, although this company is working on a way to apply machinery to the trade.

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